

EEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTT
EEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTT
EEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTT
EEE	DDD	DDD
EEEEEEEEE	DDD	DDD
EEEEEEEEE	DDD	DDD
EEEEEEEEE	DDD	DDD
EEE	DDD	DDD
EEEEEEEEE	DDDDDDDDDDDDDD	TTTT
EEEEEEEEE	DDDDDDDDDDDDDD	TTTT
EEEEEEEEE	DDDDDDDDDDDDDD	TTTT

\*\*FILE\*\*ID\*\*CHMGSUSTR

C 12

ED  
VO

CCCCCCCC	HH	HH	MM	MM	GGGGGGGG	SSSSSSSS	UU	UU	SSSSSSSS	TTTTTTTT	RRRRRRRR
CCCCCCCC	HH	HH	MM	MM	GGGGGGGG	SSSSSSSS	UU	UU	SSSSSSSS	TTTTTTTT	RRRRRRRR
CC	HH	HH	MMMM	MMMM	GG	SS	UU	UU	SS	TT	RR RR
CC	HH	HH	MMMM	MMMM	GG	SS	UU	UU	SS	TT	RR RR
CC	HH	HH	MM	MM	GG	SS	UU	UU	SS	TT	RR RR
CC	HH	HH	MM	MM	GG	SS	UU	UU	SS	TT	RR RR
CC	HHHHHHHHHH	MM	MM	GG	SSSSSS	UU	UU	UU	SSSSSS	TT	RRRRRRRR
CC	HHHHHHHHHH	MM	MM	GG	SSSSSS	UU	UU	UU	SSSSSS	TT	RRRRRRRR
CC	HH	HH	MM	MM	GG GGGGGG	SS	UU	UU	SS	TT	RR RR
CC	HH	HH	MM	MM	GG GGGGGG	SS	UU	UU	SS	TT	RR RR
CC	HH	HH	MM	MM	GG GG	SS	UU	UU	SS	TT	RR RR
CC	HH	HH	MM	MM	GG GG	SS	UU	UU	SS	TT	RR RR
CCCCCCCC	HH	HH	MM	MM	GGGGGG	SSSSSSSS	UUUUUUUUUU	UUUUUUUUUU	SSSSSSSS	TT	RR RR
CCCCCCCC	HH	HH	MM	MM	GGGGGG	SSSSSSSS	UUUUUUUUUU	UUUUUUUUUU	SSSSSSSS	TT	RR RR

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLL	IIIIII	SSSSSSSS

```
1 0001 0 XTITLE 'EDT$CHMGSUSTR - isolate the search and replace strings'  
2 0002 0 MODULE EDT$CHMGSUSTR ( ! Isolate the search and replace strings  
3 0003 0 IDENT = 'V04-000' ! File: CHMGSUSTR.BLI Edit: JBS1003  
4 0004 0 ) =  
5 0005 1 BEGIN  
6 0006 1 *****  
7 0007 1 *  
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY  
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26 0026 1 *  
27 0027 1 *  
28 0028 1 *****  
29 0029 1  
30 0030 1  
31 0031 1 ++  
32 0032 1 FACILITY: EDT -- The DEC Standard Editor  
33 0033 1  
34 0034 1 ABSTRACT:  
35 0035 1  
36 0036 1 This module isolates the search and replace strings for the  
37 0037 1 SUBSTITUTE command.  
38 0038 1  
39 0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant  
40 0040 1  
41 0041 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown  
42 0042 1  
43 0043 1 MODIFIED BY:  
44 0044 1  
45 0045 1 1-001 - Original. DJS 04-Feb-1981. This module was created by  
46 0046 1 extracting the routine EDT$$FND_SUBSTR from module CHANGE.BLI.  
47 0047 1 1-002 - Regularize header. JBS 02-Mar-1981  
48 0048 1 1-003 - Improve the appearance of the listing. JBS 13-Jun-1983  
49 0049 1 --  
50 0050 1
```

EDT\$CHMGSUSTR  
V04-000

EDT\$CHMGSUSTR - isolate the search and replace  
Declarations

E 12  
15-Sep-1984 23:59:26  
14-Sep-1984 12:22:33

VAX-11 Bliss-32 V4.0-742  
[EDT.SRC]CHMGSUSTR.BLI;1

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VO

```
52      0051 1 %SBTTL 'Declarations'  
53      0052 1  
54      0053 1 TABLE OF CONTENTS:  
55      0054 1  
56      0055 1  
57      0056 1 REQUIRE 'EDTSRC:TRAROUNAM';  
58      0495 1  
59      0496 1 FORWARD ROUTINE  
60      0497 1     EDT$$FND_SUBSTR : NOVALUE;           ! Isolate the search and replace strings for the SUBSTITUTE command  
61      0498 1  
62      0499 1  
63      0500 1 INCLUDE FILES:  
64      0501 1  
65      0502 1  
66      0503 1 REQUIRE 'EDTSRC:EDTREQ';  
67      0638 1  
68      0639 1  
69      0640 1 MACROS:  
70      0641 1  
71      0642 1     NONE  
72      0643 1  
73      0644 1 EQUATED SYMBOLS:  
74      0645 1  
75      0646 1     NONE  
76      0647 1  
77      0648 1 OWN STORAGE:  
78      0649 1  
79      0650 1     NONE  
80      0651 1  
81      0652 1 EXTERNAL REFERENCES:  
82      0653 1  
83      0654 1     In the routine
```

20  
20

```
85      0655 1 XSBTTL 'EDT$$FND_SUBSTR - isolate the search and replace strings'
86      0656 1
87      0657 1 GLOBAL ROUTINE EDT$$FND_SUBSTR           ! Isolate the search and replace strings
88      0658 1 : NOVALUE =
89      0659 1
90      0660 1 ++
91      0661 1 FUNCTIONAL DESCRIPTION:
92      0662 1
93      0663 1 This routine isolates the search and replace strings for the SUBSTITUTE
94      0664 1 command.
95      0665 1
96      0666 1 The length and address of the search and replace strings respectively
97      0667 1 are placed in the global variables: EDTSSG_SEA_LEN,
98      0668 1 EDTSSA_SEA_STR , EDTSSG_RPL_LEN and EDTSSA_RPL_STR .
99      0669 1
100     0670 1 The command line pointer EDTSSA_CMD_BUF is left pointing 1 character beyond the
101     0671 1 command.
102     0672 1
103     0673 1 FORMAL PARAMETERS:
104     0674 1
105     0675 1     NONE
106     0676 1
107     0677 1 IMPLICIT INPUTS:
108     0678 1
109     0679 1     EDTSSA_CMD_END
110     0680 1     EDTSSA_CMD_BUF
111     0681 1
112     0682 1 IMPLICIT OUTPUTS:
113     0683 1
114     0684 1     EDTSSA_CMD_BUF
115     0685 1     EDTSSA_RPL_STR
116     0686 1     EDTSSG_RPL_LEN
117     0687 1     EDTSSA_SEA_STR
118     0688 1     EDTSSG_SEA_LEN
119     0689 1
120     0690 1 ROUTINE VALUE:
121     0691 1
122     0692 1     NONE
123     0693 1
124     0694 1 SIDE EFFECTS:
125     0695 1
126     0696 1     NONE
127     0697 1
128     0698 1 --+
129     0699 1
130     0700 2 BEGIN
131     0701 2
132     0702 2 EXTERNAL
133     0703 2     EDTSSA_CMD_END,          ! End of command pointer
134     0704 2     EDTSSA_CMD_BUF,        Command string pointer
135     0705 2     EDTSSA_RPL_STR,       Address of replace string.
136     0706 2     EDTSSG_RPL_LEN,       Length of replace string.
137     0707 2     EDTSSA_SEA_STR,       Address of search string.
138     0708 2     EDTSSG_SEA_LEN;       ! Length of search string.
139     0709 2
140     0710 2 LOCAL
141     0711 2     QUOTE,
```

```

: 142      0712 2      R_ADDR,
: 143      0713 2      R_LEN;
: 144      0714 2
: 145      0715 2      QUOTE = CH$RCHAR_A (EDTSSA_CMD_BUF);
: 146      0716 2      EDTSSA_SEA_STR = .EDTSSA_CMD_BUF;
: 147      0717 2      EDTSSG_SEA_LEN = 0;
: 148      0718 2
: 149      0719 3      WHILE (CH$PTR_GTR (.EDTSSA_CMD_END, .EDTSSA_CMD_BUF) AND !  

: 150          (CH$RCHAR_A (EDTSSA_CMD_BUF) NEQ .QUOTE)) DO
: 151          EDTSSG_SEA_LEN = .EDTSSG_SEA_LEN + 1;
: 152      0722 2
: 153      0723 2      EDTSSA_RPL_STR = .EDTSSA_CMD_BUF;
: 154      0724 2      EDTSSG_RPL_LEN = 0;
: 155      0725 2
: 156      0726 3      WHILE (CH$PTR_GTR (.EDTSSA_CMD_END, .EDTSSA_CMD_BUF) AND !  

: 157          (CH$RCHAR_A (EDTSSA_CMD_BUF) NEQ .QUOTE)) DO
: 158          EDTSSG_RPL_LEN = .EDTSSG_RPL_LEN + 1;
: 159      0729 2
: 160      0730 1      END;                                ! of routine EDT$$FND_SUBSTR

```

.TITLE EDT\$CHMGSUSTR EDT\$CHMGSUSTR - isolate the search and replace

.IDENT \V04-000\

.EXTRN EDTSSA\_CMD-END, EDTSSA\_CMD-BUF  
.EXTRN EDTSSA\_RPL-STR, EDTSSG\_RPL-LEN  
.EXTRN EDTSSA\_SEA-STR, EDTSSG\_SEA-LEN

.PSECT \_EDT\$CODE,NOWRT, SHR, PIC,2

<pre> 56 00000000G 00 007C 000000 55 00000000G 00 9E 00002 54 00000000G 00 9E 00009 50 00000000G 64 D0 00017 52 00000000G 60 9A 0001A            64 D6 0001D            64 D0 0001F            65 D4 00026            50 D1 0002F 1\$:            11 1B 00032            64 D0 00034            51 63 9A 00037            52 51 D1 0003C            04 13 0003F            65 D6 00041            EA 11 00043 00000000G 00 64 D0 00045 2\$:            66 D4 0004C            64 50 D1 0004E 3\$:            11 1B 00051            53 64 D0 00053            51 63 9A 00056            64 D6 00059 </pre>	<pre> .ENTRY EDT\$\$FND_SUBSTR, Save R2,R3,R4,R5,R6 : 0657 MOVAB EDTSSG_RPL_LEN, R6 MOVAB EDTSSG_SEA_LEN, R5 MOVAB EDTSSA_CMD-BUF, R4 MOVL EDTSSA_CMD-BUF, R0 MOVZBL (R0), QUOTE INCL EDTSSA_CMD-BUF MOVL EDTSSA_CMD-BUF, EDTSSA_SEA_STR : 0715 CLRL EDTSSG_SEA_LEN MOVL EDTSSA_CMD-END, R0 : 0716 CMPL R0, EDTSSA_CMD-BUF : 0717 BLEQU 2\$ : 0718 MOVL EDTSSA_CMD-BUF, R3 : 0719 MOVZBL (R3), R1 INCL EDTSSA_CMD-BUF : 0720 CMPL R1, QUOTE BEQL 2\$ : 0721 INCL EDTSSG_SEA_LEN BRB 1\$ : 0722 MOVL EDTSSA_CMD-BUF, EDTSSA_RPL_STR : 0723 CLRL EDTSSG_RPL_LEN : 0724 CMPL R0, EDTSSA_CMD-BUF : 0725 BLEQU 4\$ : 0726 MOVL EDTSSA_CMD-BUF, R3 : 0727 MOVZBL (R3), R1 INCL EDTSSA_CMD-BUF </pre>
--	--

EDT\$CHMGSUSTR  
V04-000

H 12  
EDT\$CHMGSUSTR - isolate the search and replace 15-Sep-1984 23:59:26  
EDT\$\$FND\_SUBSTR - isolate the search and repla 14-Sep-1984 12:22:33  
[EDT.SRC]CHMGSUSTR.BLI;1

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52

51 D1 0005B  
04 13 0005E  
66 D6 00060  
EA 11 00062  
04 00064 4\$:

CMPL R1, QUOTE  
BEQL 4\$  
INCL EDT\$\$G\_RPL\_LEN  
BRB 3\$  
RET

: 0728  
: 0730

; Routine Size: 101 bytes, Routine Base: \_EDT\$CODE + 0000

: 161 0731 1  
: 162 0732 1 !<BLF/PAGE>

EDT\$CHMGSUSTR I 12  
V04-000 EDT\$CHMGSUSTR - isolate the search and replace 15-Sep-1984 23:59:26 VAX-11 Bliss-32 v4.0-742  
EDT\$FND\_SUBSTR - isolate the search and repla 14-Sep-1984 12:22:33 [EDT.SRC]CHMGSUSTR.BLI;1  
Page 6 (4) \*\*\*  
: 164 0733 1 END  
: 165 0734 1  
: 166 0735 0 ELUDOM

#### PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	101	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

#### Library Statistics

File	Total	Symbols	Pages Mapped	Processing Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	1	0	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	7	00:00.1

#### COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LISS:CHMGSUSTR/OBJ=OBJ\$:CHMGSUSTR MSRC\$:CHMGSUSTR.BLI/UPDATE=(ENHS:CHMGSUSTR)

: Size: 101 code + 0 data bytes  
: Run Time: 00:10.7  
: Elapsed Time: 00:12.8  
: Lines/CPU Min: 4117  
: Lexemes/CPU-Min: 11210  
: Memory Used: 66 pages  
: Compilation Complete

0131 AH-BT13A-SE  
VAX/VMS V4.0

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CHMFINENT LIS	CHMGCOUNT LIS	CHMGINSTR LIS	CHMGSUSTR LIS	CHMINIT LIS	CHMINSMOD LIS
CHMEMESS LIS	CHMGINSTR LIS	CHMGINSTR LIS	CHMGINSTR LIS	CHMINSTAB LIS	CHMINSTAB LIS
CHMENTTRM LIS	CHMGBUF LIS	CHMGINSTR LIS	CHMGINSTR LIS	CHMINDATE LIS	CHMINDSCHR LIS
CHMEXVERB LIS	CHMGINSTR LIS	CHMGOIR LIS	CHMGOISTR LIS	CHMHLPKPD LIS	CHMINSSTR LIS
CHMENDWRD LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMKEYRD LIS	CHMKEYRD LIS
CHMEXCOM LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMKEYRD LIS	CHMKEYRD LIS